

Status of Plant Load Increase Project

IP7006890

Schedule of Projected Load Increases

Current Capacity is 875 MWG

- Unit 2 Spring 2002 Outage - 895 MW
- Unit 1 Spring 2003 Outage - 950 MW
- Unit 2 Spring 2004 Outage - 950 MW

Environmental Permitting is Complete

■ Approval order was received January 16,
2002

- Clean Air Coalition was only organization that filed a comment
- Utah State answered the comment
- EPA had no comments
- No protests have been upheld for 20 years in Utah

Modifications to Current Air Quality Limits

Limits Still Well Above Historical Values

Pollutant	Before	After	Historical
Particulates (PM10)	0.02	0.0184	0.005
Sulfur Dioxide (SO ₂)	0.15	0.138	0.07
Nitrous Oxides (NO _X)	0.5	0.461	0.41

List of Projects Required for Upgrade (\$1,000's)

Project Description	2001-02	2002-03	2003-04
HP Turbine Dense Pack Modification	5,505	4,505	0
Enlarge the Circulating Water Make Up Bypass	93	33	0
Additional Safety Valves for Main & Reheat Lines	83	82	0
Isophase Bus Duct Cooling	110	110	0
Uprate Capacity of BFP Volute	108	378	376
6A, 6B Heater Drain Line Modification	70	50	0
Helper Cooling Tower	0	5,008	1,004
Main Transformer Cooling	0	60	60
Generator Monitoring & Cooling	0	450	250
Boiler Modifications	0	4,010	4,010
Spare PA Fan Motor	0	180	0
Total	5,969	14,866	5,700

HP Turbine Modifications

Status Report

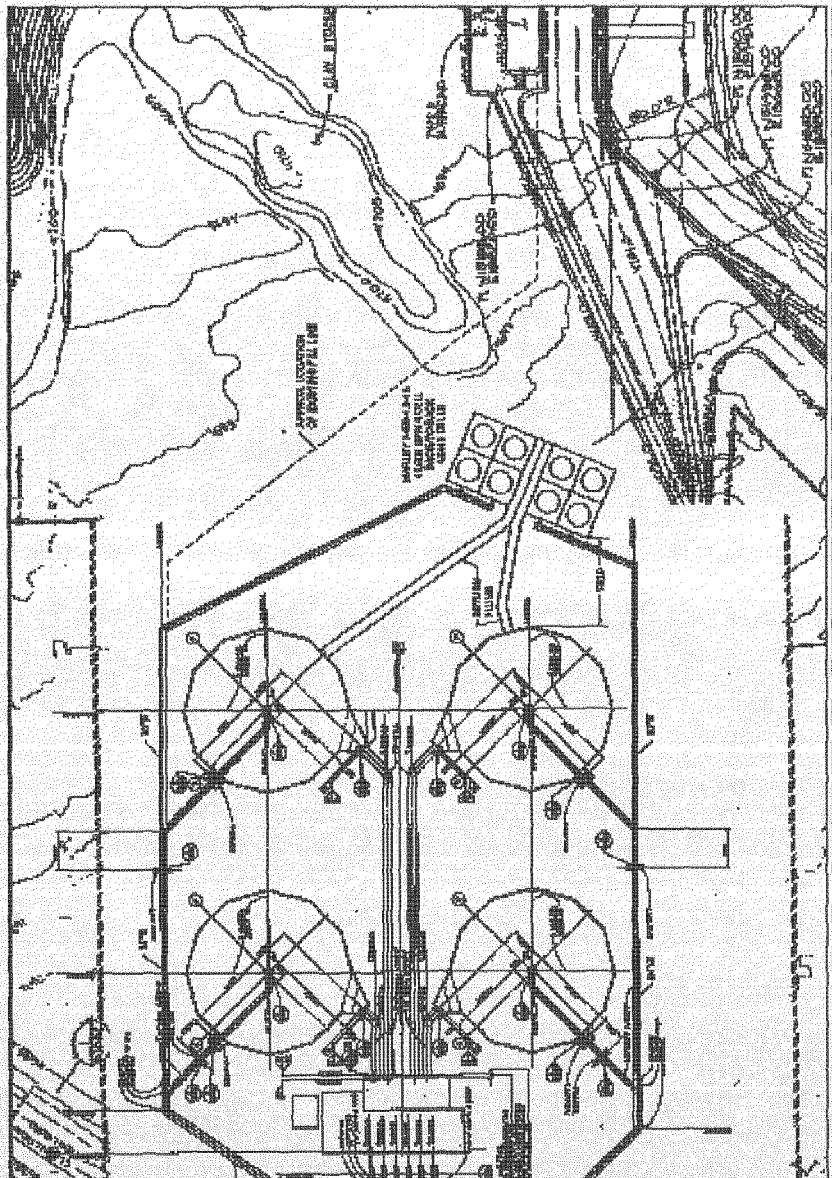
- Overspeed test completed January 15 (witnessed by IPSC)
- Lower diaphragms are in place
- Ship from England on February 3
- Arrive Portsmouth, Virginia on February 13
- Three dedicated trucks to Delta, should arrive approx. February 20

Status of Helper Cooling Tower Project

Required In-Service April 1, 2003

- Fiberglass helper towers will be installed east of existing concrete towers
- Supply contract for CT's currently out for bid, due back February 1
- CEntry Engineers, SLC, have been contracted for detailed design
- Construction contract will be issued in May
- Construction will begin in July

Plan View of Preliminary Design



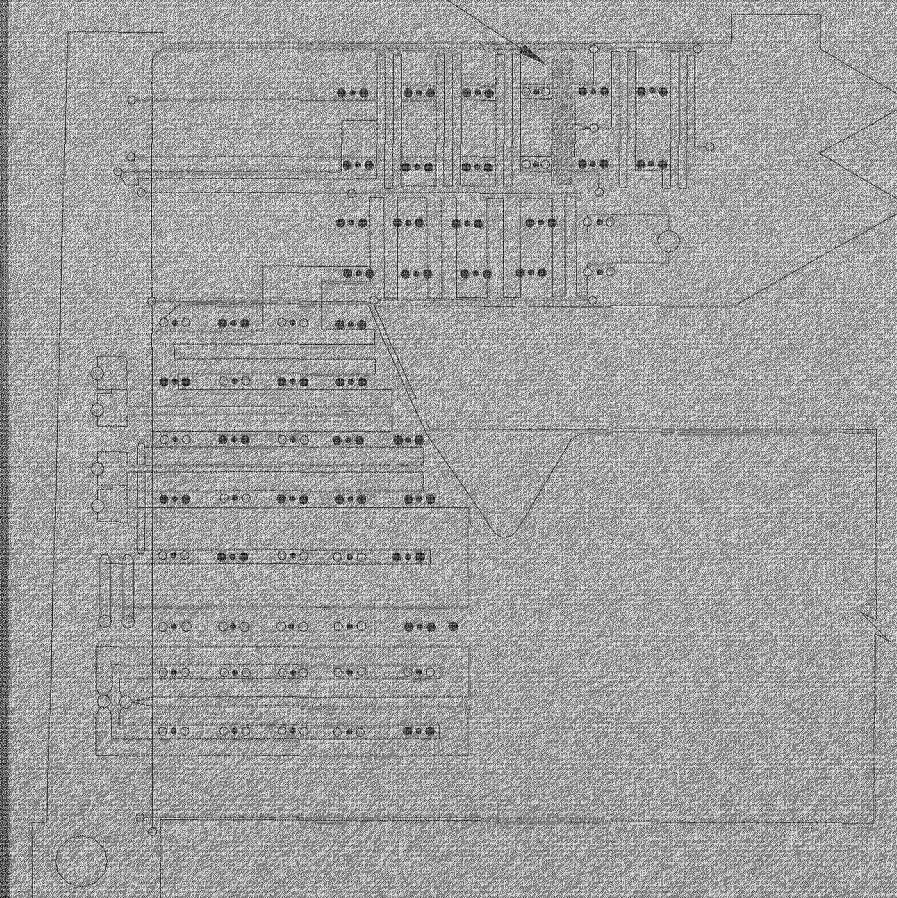
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Boiler Modifications

Mainly to Improve Steam Temperature Control

- Minor modifications to the steam drum
- Additional primary superheat bundles
 - Resulting decrease in flue gas exit temperature will also improve plant heat rate
- No additional NO_x control is required at this time

Location of New Superheat Bundle



New Primary
Superheat Bundle
will be installed in
this location

IGS Boiler Cross Section

Summary

- All projects are on schedule
- Total cost of plant upgrade is \$26,535,000
- Payback is still less than one year after completion
- Final expected load increase is 75 MW/unit